

LY/DOC# 36

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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OCR

S-E-C-R-E-T

50X1-HUM

COUNTRY USSR

REPORT

SUBJECT Communications Lines, Power Lines, and
Electronic and Military Installations
Along the Chop to Moscow Railroad

DATE DISTR. 29 December 1961

NO. PAGES 1

REFERENCES RD

DATE OF
INFO.PLACE &
DATE ACC

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THIS IS UNEVALUATED INFORMATION.

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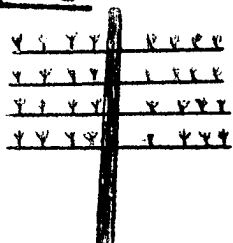
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INFORMATION REPORT INFORMATION REPORT

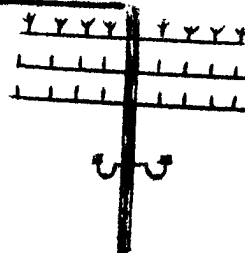
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Telephone poles

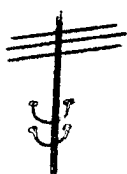
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Type "b"



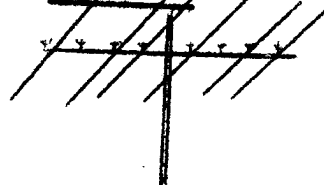
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Type "d"



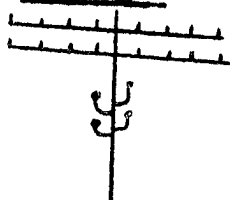
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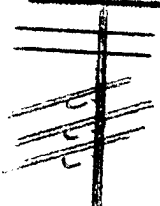
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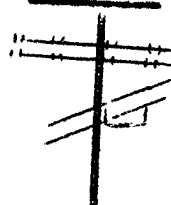
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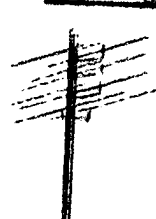
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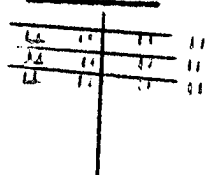
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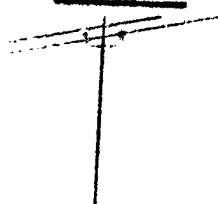
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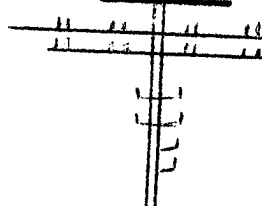
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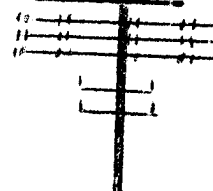
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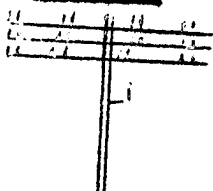
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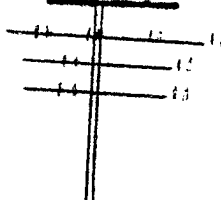
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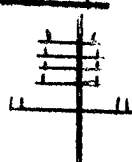
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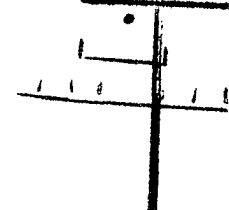
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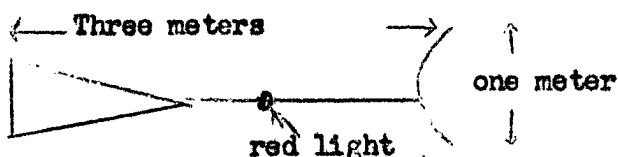


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RAIL LINE: CHOP - MOSCOW

Description

A highway intersecting the railroad track on the right. Four hundred meters to the right is a tower, 25-30 meters high. A red light and an unidentified device were mounted on top of the tower.



Unidentified station with four tracks. From Chop onwards a double track (both narrow gauge and wide gauge) was seen to the right of the train. This double track branched off to the right about 400-500 meters beyond this station.

Two-three kilometers beyond the station a three-strand, single-disc insulator electric power line on iron poles 5-6 meters in height appeared to the right of the train. From Chop onward 32-strand, wooden telephone poles (type "a"), 6 meters high and with glass insulators had been seen to the right of the train. From this point onward there were only 24 strands.

A highway was observed to the right, intersecting the rail track.

Unidentified station with four tracks. Leaving the station, a small village to the right. A six-meter wide highway intersecting the track. The telephone poles (type "b") carried 26 strands.

A stream flowing south. Immediately upon crossing the stream, one track branches off to the right. Telephone poles (type "a") carried 24 strands.

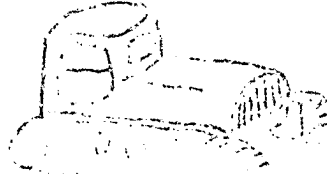
The power lines first observed at 0233 branch off to the right.

Unidentified station with six tracks. On the right a loading ramp 1.5 meters high with stone walls. Three-strand power lines parallel to the track were observed 30-40 meters to the right. Leaving the station, one track branched off to the right. To the right wooden power line poles, 15-20 centimeters in diameter, 5.5-6 meters high, were observed 50-60 meters from the tracks.

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Unidentified station with four tracks. A freight train was seen to the right. Items on flat cars were 15-20 crates (3x 1.5 x 1 meter, painted brown, and equipped with iron angle ties) and 3-4 new tractors (enclosed cab and caterpillar tracks, see sketch).



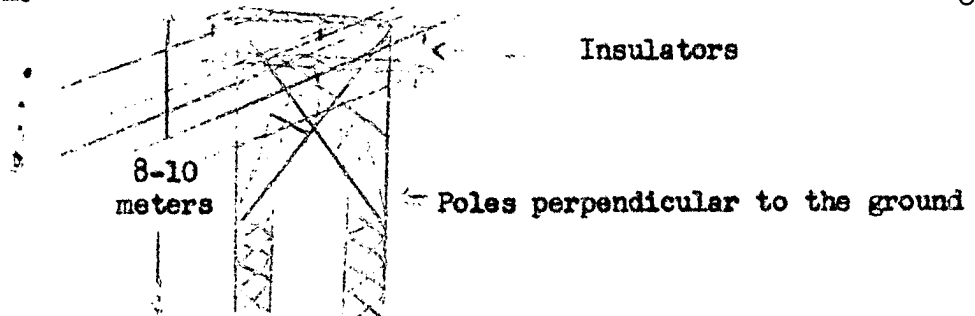
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One double track (broad and narrow guage) branched off to the south

Telephone lines to the right (type "c") increased to 28 strands and a second row of telephone poles (type "d") carrying four strands appeared 10-15 meters to the right.

Unidentified station. Beginning of track for electric train (sources rode to Moscow in a coal powered train). Immediately upon passing the station a highway going south was seen on the right. Six-strand, high voltage power lines parallel to the east side of the highway turned east and followed the track on the right side of the train. Insulators were 70-80 centimeters in length and carried 8-10 discs each.

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Mukachevo (N 48-26, E 22-43). First stop.

Depart Mukachevo. Departing a train carrying 15-20 fuel tanks was seen on the right. Eight-strand telephone poles (type "e") parallel to the track were seen 10-15 meters to the right. Sixteen-strand telephone poles (type "f") were seen 20-25 meters to the right.

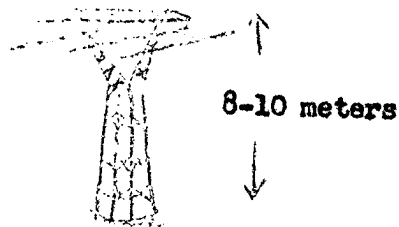
Iron bridge, 15 meters long, over a river 8-10 meters wide.

Three strand power lines with 5-6 discs, 20 centimeters long insulators, branched off to the south on the right. The eight-strand telephone poles first observed at 0321 disappeared, the sixteen-strand poles were still seen.

To the right, a small village with a church. East of the village, a three-lane asphalt road perpendicular to the railroad track.

Unidentified station. A river parallel to the track 20-25 meters to the right. Three-strand electric power lines 5-10 meters beyond the river

Electric power lines perpendicular to the train with three strands, 70-80 centimeter insulators, and 8-10 discs (see sketch)



Train crossed the river over a ten meter long steel bridge. Thirty to forty meters to the right, electric power lines identical to those seen at 0338. Ten meters to the right, electric power lines identical to those seen at 0338. Ten meters to the right, an asphalt road, ten meters wide, with three lanes

Unidentified station with two tracks. The power lines and asphalt road first seen at 0339 continued parallel to the track. The telephone lines (see 0328 hours) increased to 20 strands (type "E")

Stop in unidentified station. Two tracks on the right. Loading ramp 1-15 meters high.

Depart from station. About 1.5 kilometers to the right, a lumber yard 1 by 1.5 kilometers with piles of cut logs 1.5-2 meters long and 10-15 centimeters in diameter. One kilometer to the left, a second lumber yard similar to the one on the right.

Very narrow valley

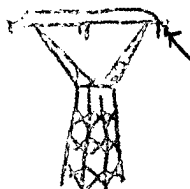
Five meters to the right, a stream 4-5 meters in width. About 2-3 meters beyond the stream, a dirt forest road 4-5 meters in width. Telephone lines increased to 22 (type "h")

The stream branches off to the right

Train crossed a stream three meters wide over a bridge five meters long.

Another five meter bridge over a three meter stream. To the right, electric power lines, strands not counted, insulators had at least 10 discs. Power lines (see sketch) extended up a hill and parallel to the train.

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Probably three lines

Five meter bridge over a stream three meters wide. Stream continues parallel to the track on the right.

"Zan'ya" or "Zaniya" Station. Stream and road on the right.

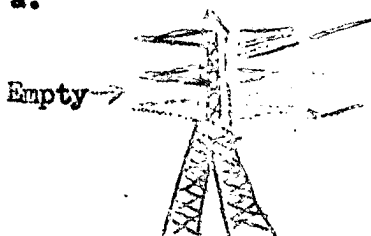
Electric power lines 30-40 meters to the right. They were of the same type as those seen at 0431.

Valley floor broadens to 100-150 meters. Telephone and power lines still observed on the right.

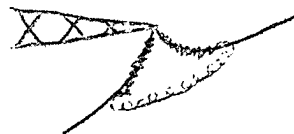
Stop at station beginning with letter "V" (probably Volovets, N 48-40, E 23-12 (est)). In the station there were eight tracks, all electric.

Depart Volovets. Leaving the station, a large (25 x 30 meters) open air transformer (sketch "a"). Three power lines extend from the left side of the transformer, and six lines from the right side. These lines were connected to the transformer with double insulators (sketch "b"), 80 centimeters long and holding 12 discs each.

a.



b.



Daybreak. Telephone lines (16) seen 15-20 meters to the right. The 6-strand power lines described at 0452 hours are seen 50-60 meters to the right, parallel to the track

The 6-strand power lines branch off to the left. On the right, a stream 4-5 meters wide

Train crossed a bridge 6-7 rail lengths long and 30 meters high, spanning a valley.

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Stop in Skotarsko (N 48-44, E 23-15) (est.). Two tracks, one of which is electric and branches off to the right from the station.

Sunrise

Depart from Skotarsko. Telephone lines, 30-40 meters to the right, increased to 18 (type "1"). Immediately after leaving the station, a tunnel about 250 meters long.

An iron bridge, five rail lengths and 15 meters high. Tunnel about 100 meters long.

Tunnel about 750 meters long

Stop. Unidentified station. Three tracks.

Depart

Bridge 20-25 meters long and 10 meters high. Guard huts, sentries, 2-3 dog houses, and German shepherd dogs were seen at each end of the bridge

Electric power lines, 6 strands, perpendicular to the tracks

Bridge, 10 rail lengths long, 15 meters high. stone abutments, iron girders, guards and dogs at both ends. 200-250 meters beyond the bridge and 50-60 meters from the track military fortifications on a hill, including fox holes, trenches, and machine gun nests. A village of 40-50 houses, 1-1.5 kilometers to the right. Between the villages and the fortified hill, 8-10 one-story ammunition depots 8 x 3 meters or 6 x 3 meters each.

Six-strand electric power lines, 50 meters to the right. Double insulators with four discs each. (See sketch)



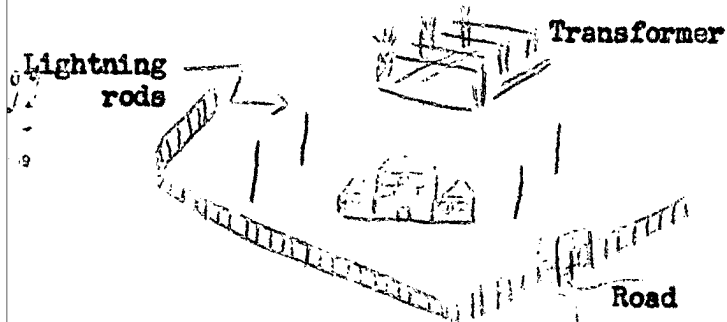
Stop in Lavochne (N 48-49, E 23-25, [est]). Entering the station, a rail road bridge under construction. Eight electrified tracks. Telephone lines with 32 strands (type "s"), 15-20 meters to the left. Electric power lines with six strands and four disc insulators 50 meters from the track. An open air transformer 100-150 meters north of the station building. Around the building four 6-8 meter poles which appeared to be lightning rods. The station building,

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transformer, and lightning rods were in an area 80 by 100 meters, surrounded by a wooden fence (see sketch)



Depart Lavochne. Visibility 50-60 meters due to fog.

A stream 4-5 meters wide seen 30 meters to the right. Telephone lines with eight strands (type "j"), 10-15 meters to the right. A dirt road beyond the stream. To the left, telephone lines with 20 strands (type "g")

Slavsko (N 48-51, E 23-28). Telephone lines on the left branch off to the right. Telephone lines on the right have 22 strands (type "k")

Iron bridge 10 meters long, 4-5 meters high.

Visibility 30-40 meters due to fog.

Iron bridge 15 meters long, 6 meters high with one sentry and dog. Three sets of telephone lines to the right, the first with 22 strands (type "k"), the second with four (type "d"), the third with two (type "l")

Iron bridge 10 meters long, 6 meters high, with sentry and dog. Stream branches to the left. Two-strand (type "l"), and four-strand (type "d") telephone lines branch off to the right. New telephone poles being set up 10-15 meters to the right, parallel to the track. Telephone lines with 22 strands increase to 24 (type "k").

Road leading into forest on the right. Sign over road reads "Dovro." Telephone lines reduced to 22 (type "m")

Iron bridge 4-5 meters long, 15 meters high with sentry.

Iron single-track bridge 15 meters long, 3-4 meters high with sentry and dog.

Grebenov (N 48-59, E 23-28). Six tracks. Stream 3-4 meters wide, 15-20 meters to the right. Telephone lines with 24 strands to the right. Beyond the stream new telephone poles with 24 insulators

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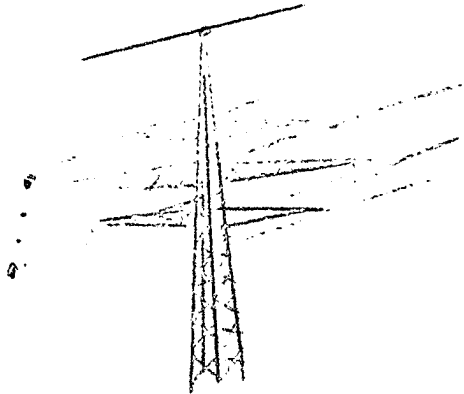
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each being set up.

Six-strand power lines branch off to left, insulators 60-70 centimeters, 12 discs.

Skole (N 49-02, E 23-31 [est]). Fog lifted.

Electric power lined 10 meters to the right with six strands, 12 disc double insulators (same as sketch "b" reported at 0452 hours)

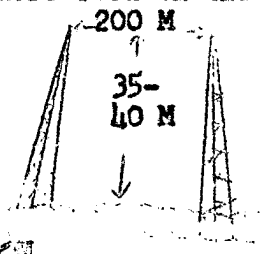


Stop in Verkhneye Sinevodnoye (N 49-05, E 23-34 [est]). Freight train with 25 carloads of iron ore passed on the right in the direction of Skole.

Depart Verkhneye Sinevodnoye. Leaving the station, an iron bridge 30 meters long, 6-7 meters high with sentry and dog. Tunnel 5 rail lengths long. Iron bridge 35-40 meters long, 7-8 meters high with sentry and dog.

River 15 meters wide on the right. Power lines identical to those seen at 0649, 30-40 meters beyond the river.

Two steel towers 200 meters to the right in a wooded area. The towers are 35-40 meters high and 200 meters apart. No lines or devices were seen on the towers. (See sketch)



Lyubentsy (N 49-07, E 23-40 [est])

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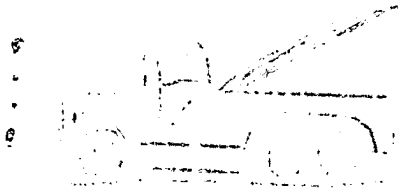
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To the right, electric power lines with three strands, and 4-5 disc insulators. Transformer construction 200 meters to the right. Construction area, 100 by 100 meters.

An iron tower, identical to the one described at 0709, 200 meters to the right. Immediately beside the tower, a one-story, wooden building (3 x 5 meters), steam coming out of the side of the building. Two kilometers to the right, electric power lines, identical to those described at 0649 hours, with six strands.

Telephone lines (type "k"), 22 strands, 8-10 meters to the right. About 40-50 meters to the right, a highway 6-8 meters wide. On both sides of the highway, telephone lines with eight strands each, poles' bases reinforced with iron. Electric power lines with six strands, 2.5-3 kilometers to the right.

In a clearing 600-800 meters to the right, 25-30 trucks, two of which are equipped with cranes. (See sketch)



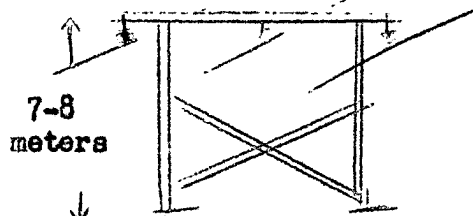
Stryy (N 49-15, E 23-50)

Telephone lines on right increased to 2 strands (type "a")

An asphalt road, 8-9 meters wide, 50-60 meters to the left.

Nikolayev (N 49-32, E 23-58 est). Large factory site, 5 x 2 kilometers, with five smoke stacks. Black smoke from three stacks, white smoke from the other two. About two kilometers beyond, excavation area 2 x 3 kilometers.

Cherkasy (N 49-40, E 23-50 est). Electric power lines going east, three strands, insulators 50 centimeters long and with eight discs, wooden poles (see sketch)



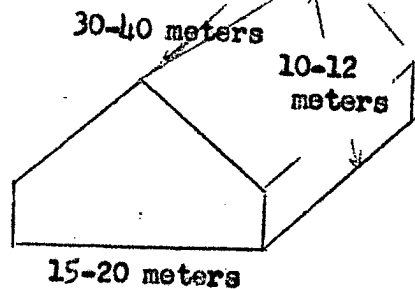
The asphalt road disappears to the left. Telephone lines, 24 strands, 10 meters to the right. Twenty meters to the right, electric power lines, three strands, single insulators.

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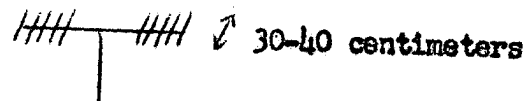
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Asphalt road disappearing to the right. Power lines seen at 0820 disappear to the right

Sknilovek (N 49-50, E 23-58 [est]). An air field 1-1.5 kilometers to the right in a wooded area. A dark-khaki crate took off. Two or three hangars at the airfield. See sketch.



Two or three two-story buildings. To the right of these buildings, 3-4 radio poles (only the tops were visible) and two YAGI-type radars (see sketch)



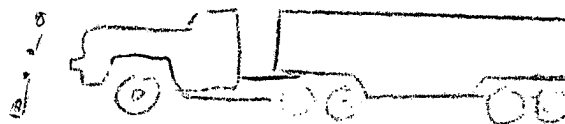
Among the hangars, buildings and trees, 20-25 aircraft of various types. COACH, CRATE, FAGOT, and FRESCO were seen. In the wooded area near the railroad station, stacks of spare fuel tanks, possibly motor packing crates, and other crates of various shapes and sizes suggested that there was an aircraft repair shop nearby.

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L'vov. Train stopped.

Departed L'vov. There were seven tracks in the station. Four air force EM were seen seated on the benches.

Between the 1470 and 1469 kilometer markings, four antenna poles (5-6 meters high, were seen 150 meters to the right. Beside the poles a large truck (see sketch). Holes had been dug in the ground around the truck and the antenna poles.



Podbortsy, (N 49-51, E 24-07, [est]). Three-strand electric power lines were seen 20-30 meters to the right and five-strand power lines 40-50 meters to the right. All of these were with single insulators. Telephone lines (type "n") with 28 strands, 10-15 meters from the track.

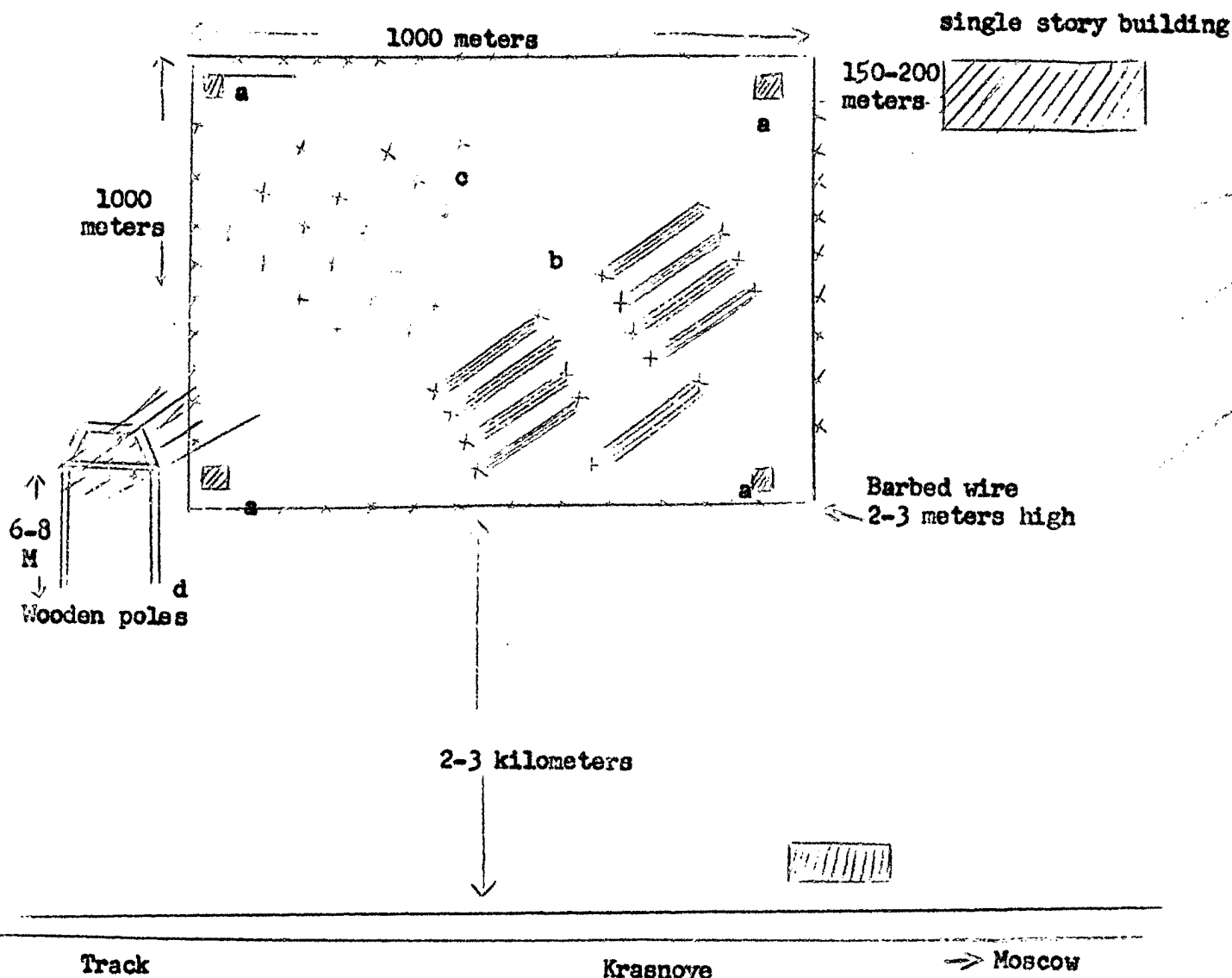
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A highway going off to the right. Telephone lines, four strand, parallel to the highway. On the right, parallel to the track, electric power lines with three strands.

Zadvor'ye (N 49-53, E 24-25 [est]). To the right two sets of electric power lines, one 8-10 meters away with three strands and single insulators, the other 35-40 meters away with three strands and single insulators. At the 1142 kilometer marking the second set of power lines turn away to the right.

Krasnoye (N 49-55, E 24-35 [est]). To the left a large electronic installation (see sketch)



Krasnoye

→ Moscow

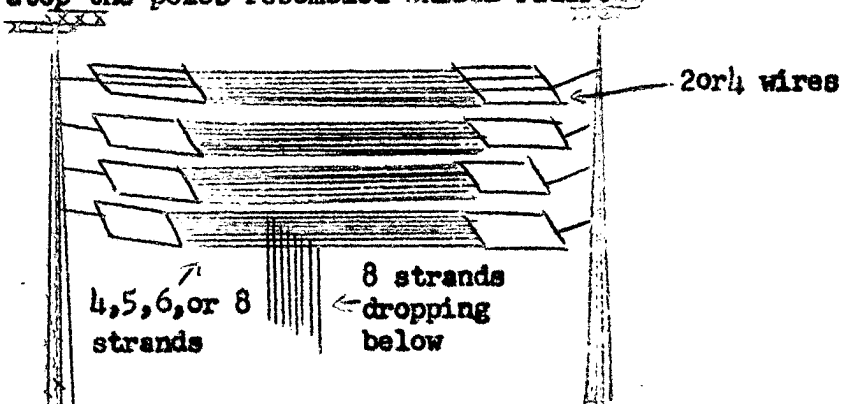
Station KM 1142

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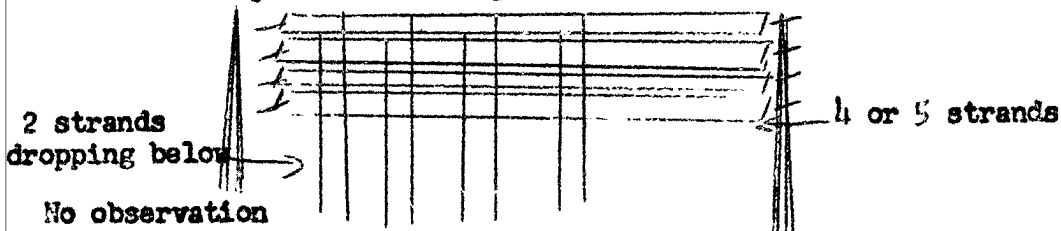
Legend

- a. Guard shacks
- b. 18 poles 70-80 meters high (see sketches below)
- c. 22 poles 10-15 meters high made of single-piece iron, spaced 10-15 meters from each other, and with no connections among them
- d. Electric power lines leading into the installation. The insulators have three discs each.

The wiring between the larger poles ("a" above) appeared as shown below. The iron, four-legged poles were 50-60 meters apart. The apparatus atop the poles resembled BRIDGE radar.



Between some poles the wiring was slightly different as shown below.



ZOLOCHEV (N 49-43, E 24-54). Entering the station 50-60 laborers working on a new factory to the right. One-two kilometers to the left a wooded area. In the wooded area, parked closely together the following: 8-10 artillery pieces (maximum calibre of 10.5 centimeters, short-barreled, and with two rubber tires); 8-10 caterpillars for towing guns, and 4-5 ZIS trucks. All were dusty. Among the vehicles were 15-20 soldiers. In the station to the left, 3-4 soldiers were unloading ammunition. 50-60 meters to the left a 6-meter wide asphalt road parallel to the track. Twelve strand telephone lines along side the road. Two tracks in the station. On the right 24-strand telephone lines.

Asphalt road turns off to the right

One military jeep going to the right on a dirt road. One kilometer

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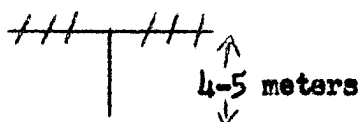
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ahead it drove into a forest on top of a hill

Ozernayl Station (N 49-35, E 24-18)

Tsebrov Station

Velikiy Glubochek Station (N 49-37, E 25-32). 300-400 meters to the left, on a hill, two YAGI-type antennas and one tent



30-40 meters to the left a 6-meter asphalt road

Two railroad bridges each five meters long. An asphalt road, 5-6 meters wide, turns off to the right. One track (railroad) continues parallel to track sources are riding.

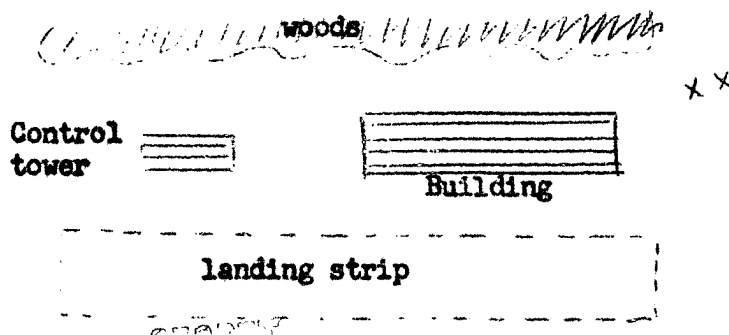
50-60 meters to the right a river 15-20 meters wide. 15-20 meters to the right, between the river and the asphalt road, two radio trucks, 11 radio transmission towers 4-5 meters high, and one EM sentry. On the left a pile of rails and concrete sleepers.

Ternopol' Station (N 49-33, E 25-35). Stop.

Departed Ternopol'.

25-30 meters to the right a single-story building (4 x 15 x 20 meters), 6-7 lightning conductors mounted on poles, and 8-10 military vehicles, including jeeps and trucks

One kilometer to the right a flight control tower with green windows, 8-10 meters high (see sketch below), a two-story stone building (10 x 20 meters), and two antennas 8-10 meters high. One helicopter was parked in front of the building and a small artillery observation type aircraft was parked to the left of the building. The landing strip was parallel to the railroad track. Its length could not be determined.

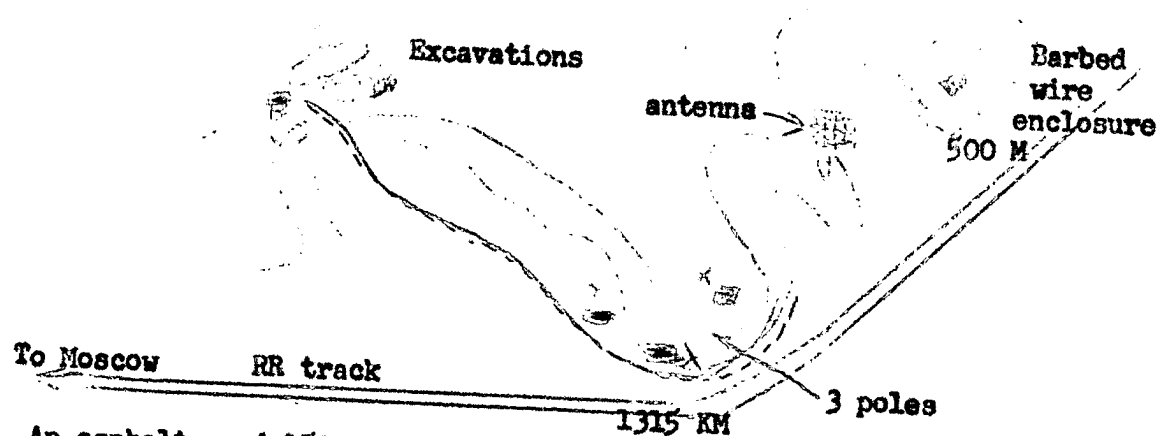


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Unidentified Station. 200 meters to the right (south) one single railroad track disappears into the trees

500 meters to the right in a valley a barbed wire enclosed, 40x50 meter area. In this area, one 4 x 4 meter building, 3 wooden shacks, and 2 6-8 meter high antennas. 300-400 meters to the left of this area, on a hill top, a lattice shaped antenna (1 x 3 meters) mounted on a 1-2 meter high pole. 500 meters to the left of these three 6-8 meter high poles 25-30 meters apart. Beside each pole, a roofless, brick, 2x4 meter building. On a hill 300-400 meters to the left excavations and one vehicle with caterpillar tracks. No power lines were seen leading to any of these.



An asphalt road 150 meters to the right extending to the southeast. Telephone lines on the right and left still the same as reported at 1023.

Podvolochisk Station. Leaving the station an iron bridge 15 meters long and 10 meters high. On the right 15-strand telephone wires (type "f").

Volochisk (N 49-32, E 26-03). Telephone lines increased to 16 strands.

On the right a new road to the south under construction, being graded. 100 meters to the right a single story building (4 x 6 meters) and beside it an antenna pole 7-8 meters high. Telephone lines on the right increased to 21 strands (type "k").

An asphalt road, 6 meters wide, perpendicular to the track on the right.

Unidentified station 100 meters to the right 6-7 cylindrical fuel storage tanks 5-6 meters high and 4-5 meters in diameter in a wooded area.

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ten meters to the right telephone lines with 20 strands.

Unidentified station. A freight train with ten cars, all of which loaded with rails and wooden sleepers. On the right, 19 strand telephone lines (type "k")

200 meters to the right an area (2 x 3 kilometers) enclosed with barbed wire. Guard shacks and 3-5 family homes in the area. A rail spur leads into the area.

Grachan (N 49-26, E 26-58). Stop

Depart Grachan. Leaving the station one track turned off to the right.

Overpassing highway, 9-12 meters wide, with florescent lights on both sides. 10 meters to the right 20-strand telephone lines (type "k")

Arrive Derazhnya

Depart Derazhnya

"Buzhest" Station. 10 meters to the right 25-strand telephone lines (type "o")

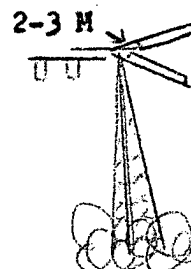
Forest area. A railroad track and a highway extending to the right.

Arrive Zhmerinka Station (N 49-03, E 28-06). Entering the station, on the right a military school. NCO's with red and yellow on black epaulettes were looking out the window.

Depart Zhmerinka. 10 meters to the left 16-strand telephone lines (type "p"). 30 meters to the right three-strand electric power lines with 3-disc insulators

To the left 15-strand telephone lines and 4-strand telephone lines. To the left 3-strand electric power lines

200 meters to the right a tower (see sketch) 30 meters high. On the left 16-strand and 6-strand telephone lines.



Wooded area

A river 20-25 meters wide. Two single-track iron railroad bridges, 30 meters long and 15 meters high, with stone abutments.

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No observation

A highway 6 meters wide extending to the right.

Vinnitsa Station (N 49-13, E 28-29). In a wooded area 1.5-2 kilometers to the left an army post which appeared to be a tank battalion garrison. In the area 20-25 tanks, probably T 44's or JS 2's two radio antennas 15 meters high, and various buildings. On the outskirts of the city a sulphur factory and an unidentified factory.

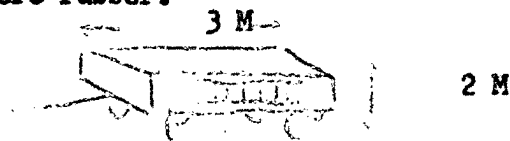
Two bridges 10 meters long and 6 meters high with iron superstructures. From Vinnitsa onward 12 strand telephone lines (type "q") on the left and 16-strand lines (type "a") on the right.

Varshitsa Station. Leaving the station one rail track and one highway extend to the left.

At KM 1046 a railroad track emerges from the forest on the left, follows parallel to the main track and reenters the forest at KM 1042.

"Gol" Station (probably Golendry)

Arrive Kazatin. 6-8 mobile generators loaded on 3-4 flat cars. Tires were rubber.



Depart Kazatin. Leaving the station one rail track turns off to the north. On the right 12-strand telephone lines; on the left 14-strand. On the right, 3-strand, single insulator electric power lines with 6-strand telephone lines on the same poles (type "r")

Power lines and 6-strand telephone lines cross over to the left side of train and continue parallel to the track.

One rail track turns off to the left.

Power lines cross over to the right side again.

Two rail tracks turn off to the north.

300-400 meters to the right an airport. Landing strip not seen. Two CRATES and three radars (see sketch).



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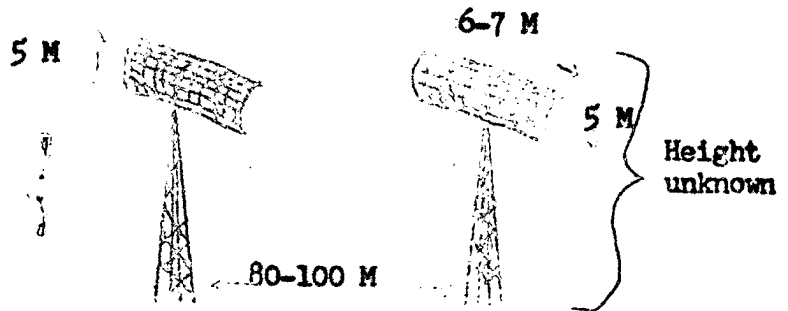
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Arrive Kiev

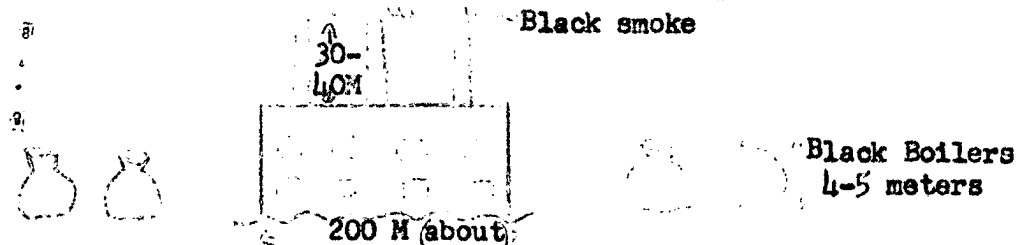
Depart Kiev. Leaving the city to the north, two unidentified apparatus (see sketch).



Also leaving the city, two railroad bridges 80-100 meters long with three arches, stone abutments, and iron superstructures. Sentries were guarding the bridges.

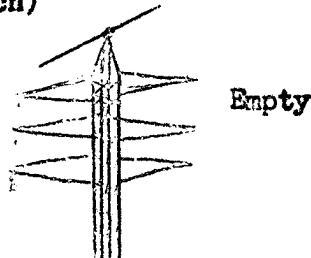
To the left electric power lines, 7-strands and 3-disc insulators. on the right power lines, 3-strands and 3-disc insulators.

800-1000 meters to the left a factory (see sketch). Beside the building 5-6 cylindrical, aluminum (color), shiny receptacles, 2-3 meters in diameter and 8-10 meters in height.



"Drvz" Station. On the left 8-strand telephone wires; on the right 16-strand telephone wires and poles (type "r") with 3-strand power lines and 4-strand telephone lines.

4-strand electric power lines with 8-disc insulators parallel to the track (see sketch)



Unidentified station. End of electrified tracks.

Two clusters of power line poles 3-4 kilometers apart; one 2000 meters to the southwest containing 12 poles; the other 1000 meters to the south containing 8 poles

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Two series of power line poles, 50-60 meters apart, each carrying 3 strands with 3-disc insulators, perpendicular to the track

Bobrik Station. In the station 300-400 (fuel?) drums stacked up

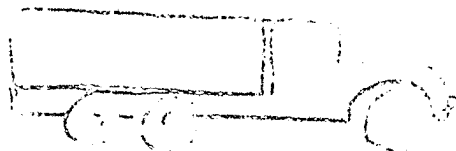
Bobrovitsa Station

Overpassing road. Sunset.

Unidentified station, rather large (see sketch). Three tanks (T-33/76) loaded on flat cars. Factory lights 1000-1500 meters away.



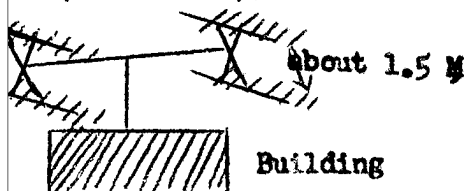
Unidentified station. Two ZIS trucks loaded on train with soldiers seated in driver's cab (see sketch). On another car a trailer covered with canvas (see sketch). The train on which these were loaded departed in the direction of Kiev.



Depart



"Vazbezd" Station. An air field 200-300 meters to the left in a wooded area. 50-60 FRESCOS and FACOTs. Atop one building a KNIFEREST radar (see sketch). Stationary on the ground, one BIG MESH radar (see sketch). Beside these radar, 3-4 radio vehicles.



On the right 34-strand telephone lines (type "s"), 3-strand electric power lines; on the left 24-strand telephone lines (type "k") and 12-strand telephone lines (type "t")

8-10 kilometers to the right (northeast) a STRIKEOUT radar.

Perpendicular to the track, 4-disc 7-strand electric power lines. On the right, 11-strand telephone lines (type "f"), and combination poles with 3 power and 8 telephone lines (type "r")

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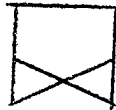
10-strand power lines and 4-strand telephone lines parallel to the track

Telephone lines on the right remain the same; on the left 12-strand and 4-strand telephone lines

26-strand telephone lines (type "b") on the right

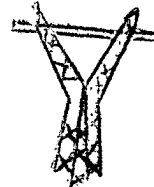
On the right an asphalt road 6-8 meters wide. On the left, two series of identical power lines (see sketch "a"), each with 3-strands and 12-14 disc insulators 80 centimeters long, one 50 meters, the other 60 from the track. Also on the left, 80 meters from the track 3-strand power lines with insulators identical to those nearer. (see sketch "b")

a.



Wooden poles

b.



Asphalt road turns off to left.

Overpassing asphalt road and concrete bridge, road extends to right. Two unidentified iron towers (see sketch), 30-35 meters high about one kilometer to the right.



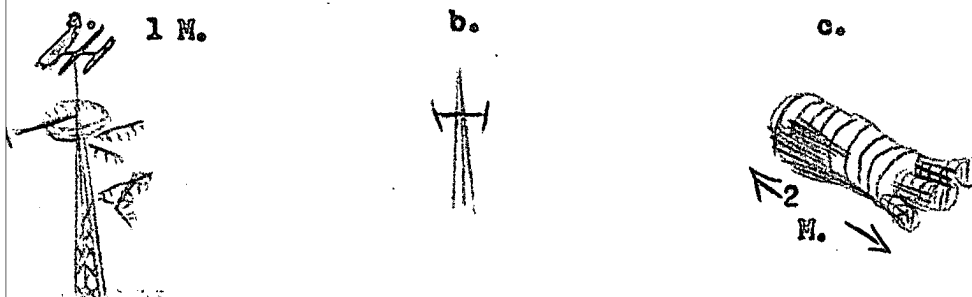
No observation

Asphalt road turned off to the left.

Arrive Maloyaroslavets Station (N 55-01, E 36-27). 200 meters to the right, unidentified iron tower (see sketch "a"), 40 meters high. The ring was made of sheet iron/; the arms on the right were about one meter in length and the protrusions from these arms 15-20 centimeters. 100 meters on the left, a similar tower without the arms, and with two sheet iron rings (sketch "b"). An unidentified metal object (sketch "c") was loaded on a truck on the loading ramp.

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Depart Maloyaroslavets. Beginning electrified tracks.

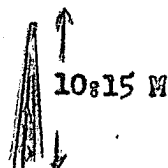
Asphalt road turns off to the left. On the right 26-strand telephone lines 10 meters away; 31 strand telephone lines 20-25 meters away. On the left, 26-strand telephone lines 10-15 meters away; 7-strand telephone lines 20-25 meters away.

Iron bridge 6 rail lengths long with stone abutments. 100 meters to the right a second identical bridge.

500-600 meters to the right an unidentified iron tower, 50-60 meters high. The configuration mounted on the tower resembled a basket and was two meters high. The prongs atop the basket were each one meter in length.



In a wooded area about 600 meters to the right, a radio set, its facade camouflaged with hemlock. Immediately beside the radio a single-story building (4 x 3 meters). On a hill 50-60 meters ahead an unidentified iron tower (see sketch), 10-15 meters high.



No observation

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"Nara" Station (possibly Naro Fominsk, (N 55-23, E 36-44). 3-4 kilometers to the right an unidentified tower, 50-60 meters high, with a dark-colored metal globe, 3-4 meters in diameter, mounted on top (see sketch)

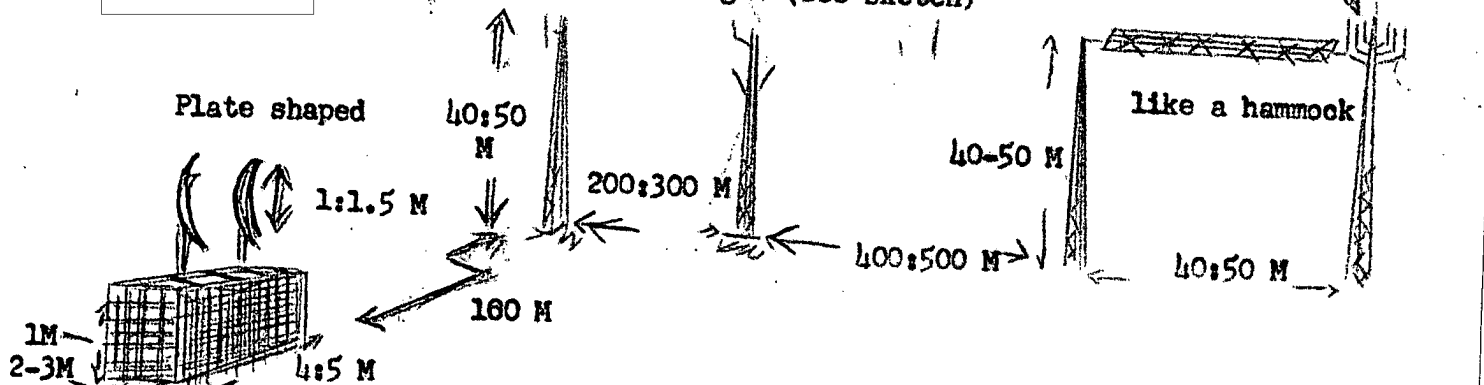


kilometers to the northwest, a tower identical to that seen at KM 70

Arrive unidentified station

Depart unidentified station

Two kilometers to the right (see sketch)



"Pobeda" Station. Asphalt road, 8-10 meters wide, 25-30 meters to the right

Between KM 34 and KM 35, one CRATE taking off on the left. On a hill 1,000 meters to the left, two antennas 10 meters high and 20 meters apart.

"Kokoshchkinie Kayu" Station. On the right, 40-50 meters behind the station, one plate shaped (filled in) sheet iron disc, one meter in diameter, mounted on a tower.

"Katyar" Station. On a hill 2 kilometers to the right, a tower 30-40 meters high. 30 meters to the right, an asphalt road 9-10 meters

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wide.

Vnukovo Station. 100-150 meters to the right, one BAR LOCK or CROSS OUT type radar mounted on a brick base. Concave side directed toward Moscow.

"Peredilokino" Station

Sukovo Station. One AF NCO seated in the station.

10-15 meters to the right, a large building, 4-5 meters high, with stone walls. Atop the wall, barbed wire, guard shacks at either end, and high-powered electric light. Behind the building, a crane (see sketch)



50X1-HUM